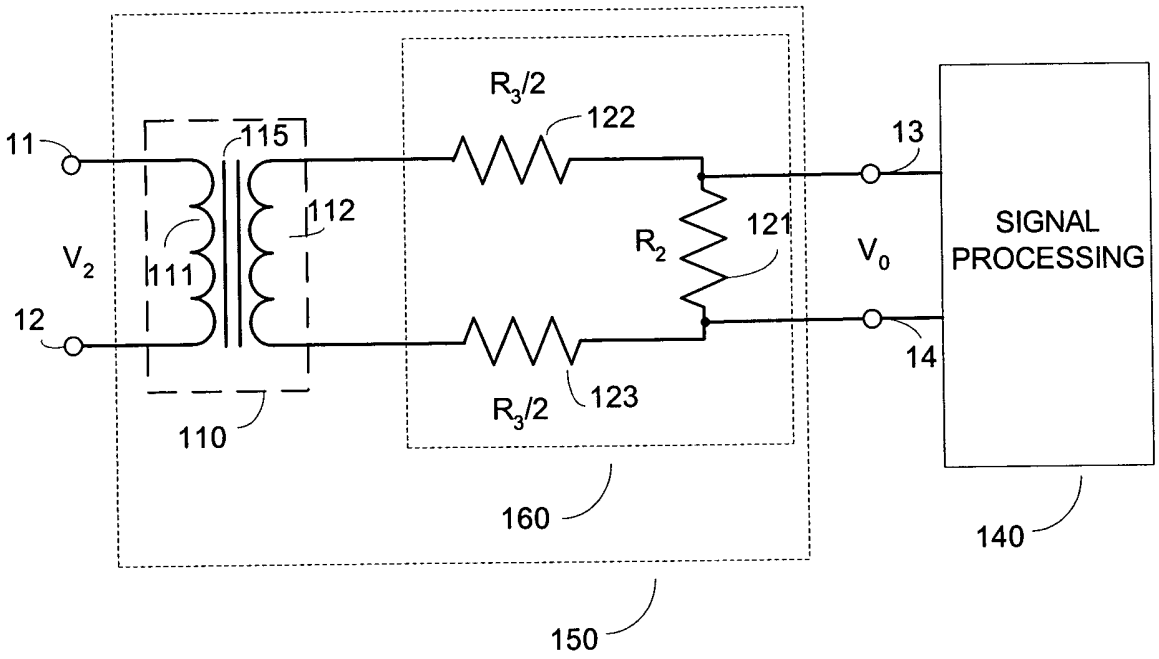
RELATED ART



100

FIGURE 1

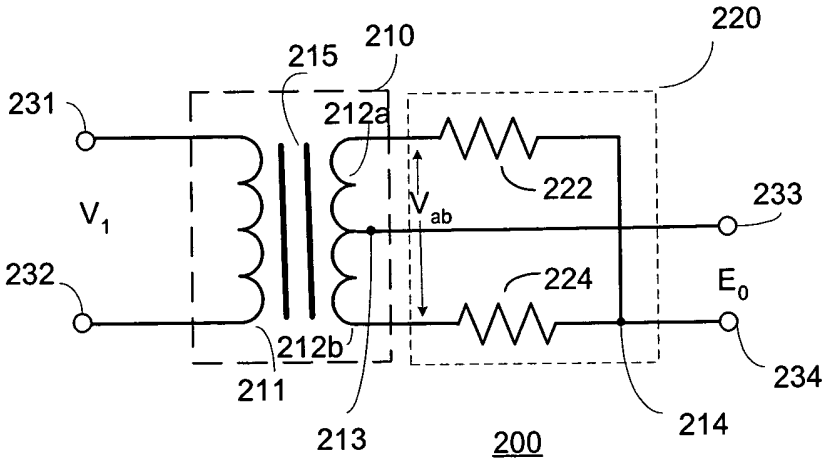

220
210
215
231
212a
222
233
V_1
V_{ab}
232
224
E_0
212b
234
211
214
213
200

FIGURE 2

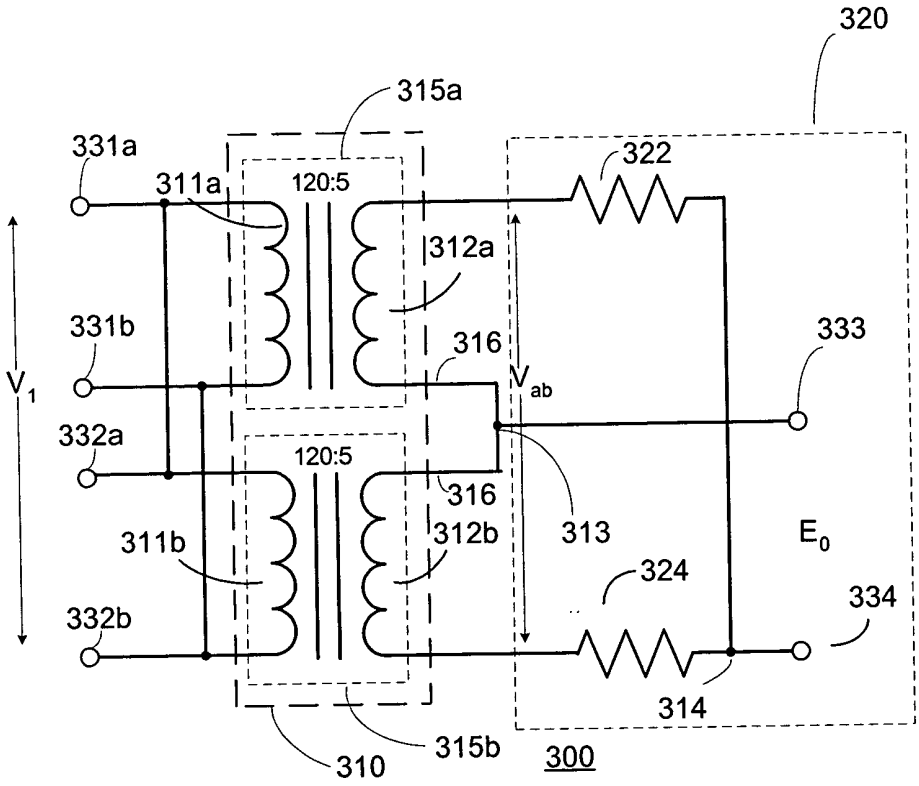

320
315a
331a
311a
120:5
322
312a
331b
316
333
V_1
V_{ab}
332a
120:5
316
313
311b
312b
E_0
324
334
332b
314
315b
310
300

FIGURE 3

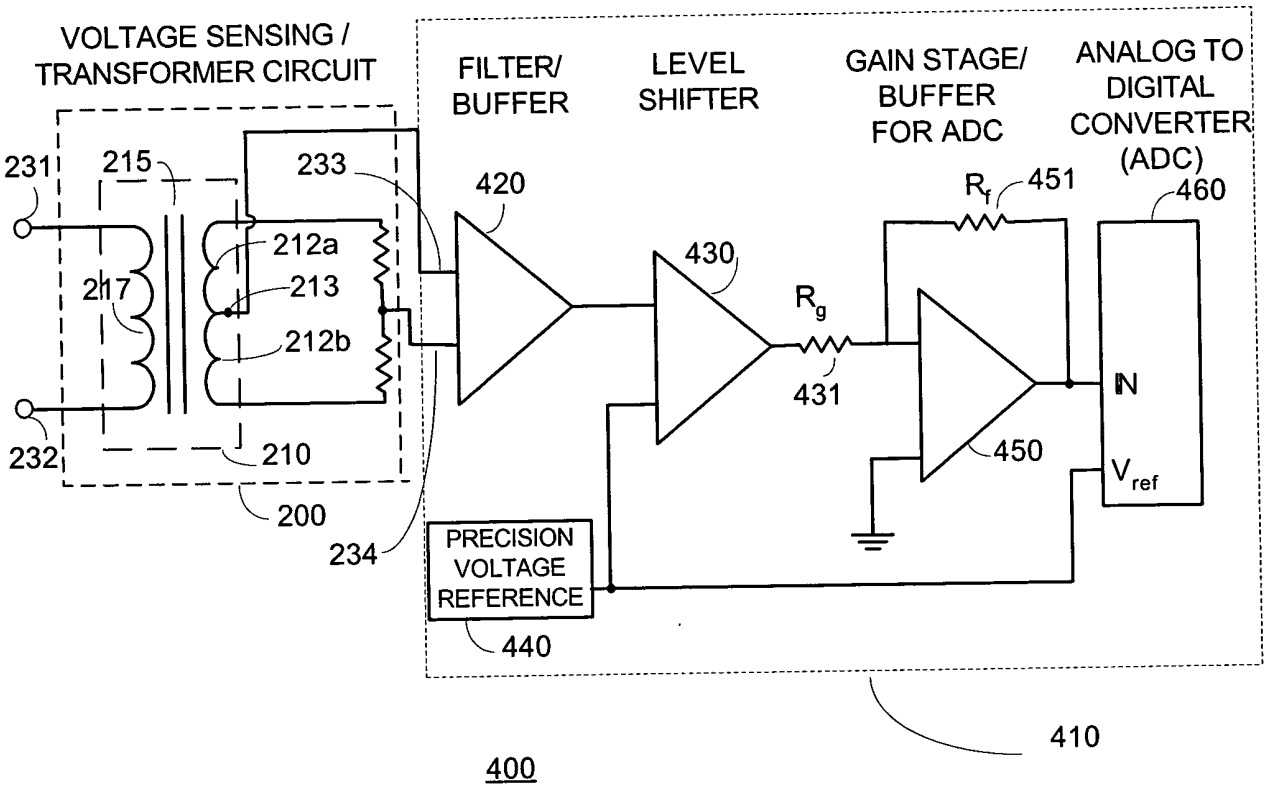

VOLTAGE SENSING / TRANSFORMER CIRCUIT
FILTER/ BUFFER
LEVEL SHIFTER
GAIN STAGE/ BUFFER FOR ADC
ANALOG TO DIGITAL CONVERTER (ADC)
231
215
233
420
451
460
212a
213
212b
217
430
R_g
431
R_f
IN
450
V_{ref}
232
210
200
234
PRECISION VOLTAGE REFERENCE
440
410
400

FIGURE 4